

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Canceled)
3. (Currently Amended) A method for developing a sub-sea hydrocarbons field, comprising:
liquefying natural gas aboard a vessel using a liquid coolant aboard the vessel to obtain
liquefied natural gas;
transporting the liquefied natural gas to an onshore terminal;
re-gasifying the liquefied natural gas;
obtaining a new batch of liquid coolant using energy recovered from the re-gasifying the
liquefied natural gas;
de-gasifying hydrocarbons obtained from the sub-sea hydrocarbons field to produce oil and
separated gas; and
conveying the ~~produced~~ separated gas to the vessel and the produced oil to a storage tank on
a seabed.
4. (Currently Amended) The method of claim 3, wherein the ~~produced~~ separated gas is
conveyed to the vessel via a riser.
5. (Currently Amended) The method of claim 3, further comprising:
pre-treating the ~~produced~~ separated gas before liquefying.
6. (Original) The method of claim 3, further comprising:
storing the oil in a storage tank attached to a seabed.
7. (Previously Presented) The method of claim 3, further comprising:
liquefying a new batch of natural gas using the new batch of liquid nitrogen aboard the
vessel.
8. (Previously Presented) The method of claim 3, wherein one of a plurality of storage tanks
aboard the vessel is empty to receive an initial portion of the liquefied natural gas.

9. (Previously Presented) The method of claim 3, wherein the re-gasifying the liquid natural gas is performed at the onshore terminal.
10. (Previously Presented) The method of claim 3, wherein re-gasifying the liquefied natural gas produces high pressure gas.
11. (Original) The method of claim 10, further comprising:
sending the high pressure gas to a pipeline.
12. (Previously Presented) The method of claim 3, wherein transporting the liquefied natural gas to the onshore terminal is performed using the vessel.
13. (Currently Amended) A system for developing an oil and gas field, comprising:
a vessel configured to liquefy natural gas to obtain liquefied natural gas using liquid nitrogen aboard the vessel;
an onshore terminal configured to obtain a new batch of liquid nitrogen using refrigeration recovered from re-gasifying the liquefied natural gas; and
a sub-sea separation system configured to de-gasify hydrocarbons to produce oil and separated gas.
14. (Currently Amended) The system of claim 13, further comprising:
a natural gas conveyance system configured to use a riser to convey the gas ~~produced~~ separated from the sub-sea separation system to the vessel; and
convey the oil produced from the sub-sea separation system to a sub-sea storage tank.
15. (Currently Amended) The system of claim 14, further comprising:
a natural gas pre-treating facility configured to treat the separated ~~produced~~ gas.
16. (Original) The system of claim 14, further comprising:
a power and control buoy configured to provide electric power and control functions for the sub-sea separation system.

17. (Currently Amended) An apparatus for developing a sub-sea hydrocarbons field, comprising:

- means for liquefying natural gas aboard a vessel using liquid nitrogen aboard the vessel to obtain liquefied natural gas;
- means for transporting the liquefied natural gas to an onshore terminal;
- means for re-gasifying the liquefied natural gas;
- means for obtaining a new batch of liquid nitrogen using energy recovered from the re-gasifying the liquefied natural gas;
- a means for de-gasifying hydrocarbons obtained from the sub-sea hydrocarbons field to produce oil and separated gas; and
- a means for conveying the produced gas to the vessel and the produced oil to a storage tank on the seabed.

18. (Previously Presented) The method of claim 3, comprising:

- transporting a new batch of liquid coolant offshore aboard the vessel using a plurality of storage tanks; wherein the new batch of liquid coolant comprises liquid nitrogen.